Attachment A

Wang Alliance 250 Security Requirements

1. Evaluate the level of control provided by the System Security facility for the following word processing features:

    a. User ID and logon password.

    b. Library definitions parameters and password protection against format line defaults, access rights to library and word indexing.

    c. Print routes.

    d. Document creation, editing, printing and storing.

Evaluation of the System Security facility should focus on the manner in which the passwords enforce need-to-know protection. The evaluation should also access the separation between supervisor and user functions, the security facilities protection against user programming (e.g., Basic and CP/M) and how the passwords are themselves protected.

2. In conjunction with number 1, the evaluation should also focus in on the capabilities provided by the data processing functions (both BASIC and CP/M) to create programs and generate routines that may compromise the System Security facility.

3. Evaluate primary memory (64K) at the workstation to ensure that it is volatile.

4. Evaluate whether or not heading classifications can be supplied at the top and bottom of each page of a document. Is this function user controlled?

5. Evaluate the state of the system during the IPL session and after maintenance and system crash. Does the system consistently invoke the System Security facility during these events.

6. Evaluate the impact on the System Security facility with the use of the following optional features:

    a. Visual Memory
    b. Calendar
    c. Message System

d. Notebook
e. Electronic Directory
f. Dictation
g. Wise

Evaluation of these optional features should focus on enforcement of need-to-know protection, and as with the word processing features determine how user programmer or even file manipulation can compromise the System Security facility.

7. The result of this evaluation should determine how the System Security facility can be improved and discuss areas of vulnerability in the Alliance 250 system.